qtxlight

USER MANUAL

HELIOS

151.566UK

HELIOS – For indoor use only

Caution! Please read this manual carefully before operating!

Damage caused by misuse is not covered by the warranty!

1. General Introduction :

Thank you for choosing the QTX Light Helios. This product meets the requirement of the European guidelines (CE). The Helios is designed to produce light effects for use in light show systems in bars, clubs, schools, stages etc.

Features:

- 4 Operation modes: Automatic running, DMX, Sound Active, Master/Slave up to 4 slaves
- Sound active from built-in programs
- Gobo rotation via LED matrix
- Strobe effect with adjustable speed
- IEC Daisy chain function for power loop (MKII Version only)
- Long life LED light source - no light bulbs to replace
- Razor sharp beams, Colors don't fade in time
- Very little heat production
- Very low power consumption
- Lightweight and easy to transport

2. Package Contents :

Please check the contents to ensure that the product has been received in good condition.

Light x 1 unit	User manual x 1pcs
Power Cord x 1pcs	

If you find any accessory is missing or the lighting has arrived with any problems, please contact your retailer at once. Do not try to fix this item yourself or you will lose the warranty. Please keep the original package and invoice for any possible replacement or returned demand.

3. Installation :

Every person involved with the installation, operation and maintenance of this device should be qualified and follow the instructions of this User manual. We recommend that this product is not used for audience scanning and should be used within the guidelines of radiation of lasers and LEDs used for display purposes "HSG95". When you connect to the main power supply the device will illuminate and the light effect will change with music when in sound activated mode.

4. Caution! To prevent Mortal Electrical Risk and Long Life Operation :

For your safety, please kindly pay attention to all of the warnings listed below:

- Always plug in the power plug last and disconnect from the mains, when the device is not in use or before cleaning.
- Do not install and operate the device in rain or extreme heat, moisture or dusty environments.
- This device is for indoor use only and in a dry environment.
- Do not switch on immediately but wait until it reaches to room temperature, if the device has been exposed to drastic temperature fluctuations.
- Do not shake the device and avoid brute force when installing or operating
- Do not spread the smoke or bubble of effect machine directly to the device.
- Do not use the device during thunderstorms and please disconnect the power.
- Do not use solvents or aggressive detergent to clean the device. Use a soft and clean cloth.
- Do not modify the device or the connected power cord without authorization.
- Use appropriate safety rope for safety.
- Do not stare to the light.
- The symbol

determines the minimum distance from lighted objects. The minimum distance between light-output and the illuminated surface must be more than 0.1m.

5. Connect with power supply - The ground wire must be connected :

Use the plug to connect to the main power supply as following.

Line	Connection	International signal
Brown	Live	L
Blue	Neutral	N
Yellow /Green	Earth	E

6. Quick Trouble Shooting :

7.1 if the unit is not functioning – Check if mains power is on and fuse is OK.

7. Replacing Fuse :

Disconnect from the main power supply first, then remove the fuse holder above the IEC Socket to reveal the fuse. Replace the correct fuse rating as stated on lighting or user manual. Then lock the fuse holder cover back into place.

8. General Maintenance :

To maintain optimum performance and minimize wear, fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Be sure to power off fixture before conducting maintenance.

Unplug fixture from power. Use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Clean all glass when fixture is cold with a mild solution to a cloth or tissue, and drag dirt and grime to the outside of the lens. Gently polish optical surface until they free of haze and lint.

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequently depends on the environment in which the fixtures operates: damp, smoky or particularly dirty surroundings can require cleaning fluid. Always dry the parts carefully. Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

9. Mounting instruction :

The fixture may be mounted in any position provided there is adequate room for ventilation.

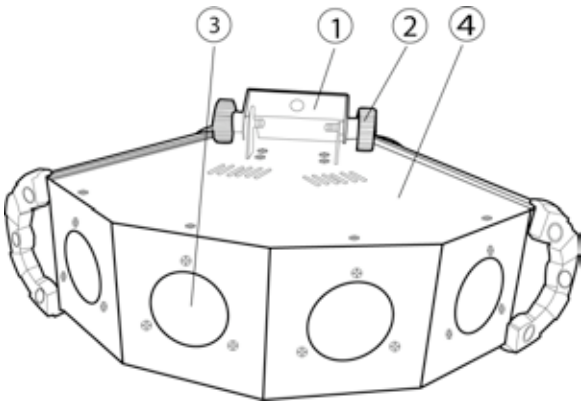
It is important never to obstruct the fan or vents pathway. Mount the fixture using a clamp.

Adjust angle of the fixture loosening both knobs and tilting the fixture. After finding desired position, retighten both knobs.

When selecting installation location, take into consideration lamp replacement access and routine maintenance. Safety cables must always be used.

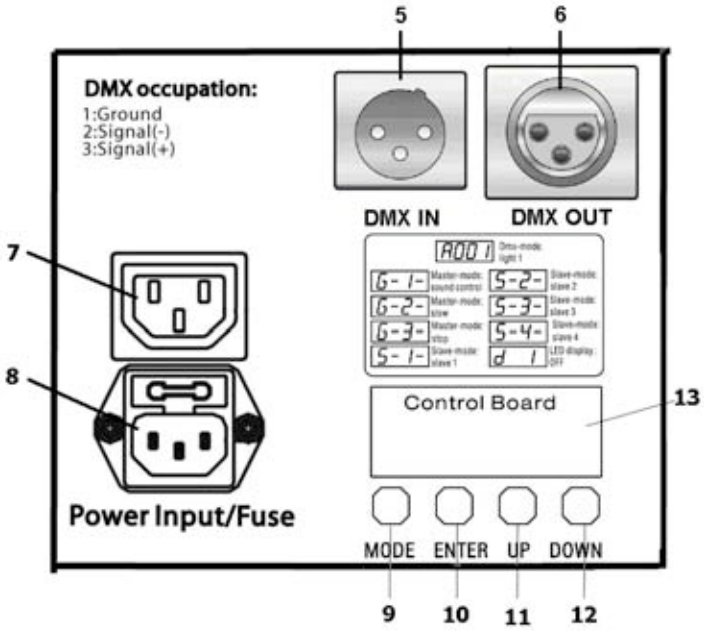
Never mount in places where the fixture will be exposed to rain, high humidity, extreme temperatures changes or restricted ventilation.

10. Layout for the HELIOS



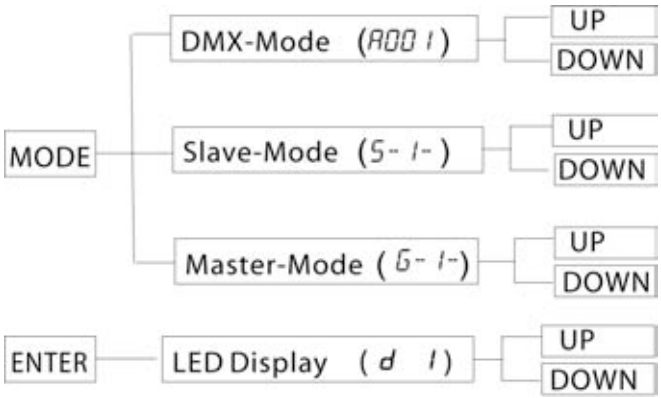
1) Mounting Bracket
2) Thumb Screw
3) Lenses
4) Housing Cover

Rear panel



5) DMX In connector
6) DMX Out connector
7) IEC Power loop out socket (MKII Version only)
8) Power Socket/Fuse holder
9) Mode Button
10) Enter Button
11) Up Button
12) Down Button
13) LED Digital Display

11. Digital Display Setting & Function :



12. Master – Slave operation:

This function will allow you to link up to 4 units together and operate without a controller. The units will be sound activated. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling units programs. Any unit can act as a Master or as a Slave. Using standard XLR 2 core screened microphone cables, daisy chain your units together via the XLR connector on the rear of the units. Remember the Male XLR connector is the input and the Female XLR connector is the output. The first Helios flower (master) will use the female XLR connector only, the last use the male XLR connector only and a terminator (see DMX setting).

On the Master unit set your desired show with the mode (9) and Up/Down (11/12) buttons and set that show by pressing the ENTER (10) button. On the slave units set the respective slave-mode for all slave devices. The slave units will now follow the Master unit.

Please note The function G-3 is only meant for service purposes. Please do only use this function if you want to set the unit shortly into standby mode.

13. DMX Controlling :

The control board allows you to set the DMX address, which is defined as the first channel from which the Helios LED flower will respond to the DMX controller. Please be sure that you don't have any overlapping channels in order to control each Helios LED flower correctly and independently from any other fixture on the DMX data link. If two, three or more Helios light effects are addressed similarly, they will work similarly.

For address setting, press the Mode button (9) until the display (13) shows "A001" and set the desired address via the Up (11) and Down (12) button.

After having addressed the Helios flower you may now start operating these via your DMX lighting controller.

14. DMX Protocol

DMX Channel	Function
CH 1	Strobe
CH 2	Gobo
CH 3	Gobo Rotation

15. Disposal :

Please disposal of the unserviceable device according to the current statutory requirements.

Technical specification

Voltage : 230Vac 50Hz	**LED** : 5mm LED
Fuse : F1A	**LED Type** : 96 Red, 48 Green, 48 Blue
Power Consumption: 20W	**LED Life**: 50,000 hours (estimate)
Dimensions : 335 x 535 x 185mm	**Weight:** 4.5kg

Note: Conforms to Laser and LED Safety standard BSEN60825-1 2007